

ABSTRACT

The invention in one embodiment provides novel methods and related kits useful in the detection of occult blood in biological samples and specimens. Such improved methods and kits can be used to screen for colorectal cancer. They can also be used to detect blood samples *ex vivo*, e.g., at a crime scene.

In another embodiment, the invention provides methods useful in diagnosing whether a subject is predisposed to, or suffers from, an occult-blood related disorder.

In still another embodiment, methods and kits of the invention provide a direct micro-mapping of the distribution of occluded vessels associated with cerebral vascular injury.